

| G | Code | Scientific Name | S | NP | T | Size | | Unit | Cat. | qual. | A B C D | | | |
|---|------|---|---|----|---|------|-----|------|------|-------|---------|------|------|------|
| | | | | | | Min | Max | | | | Pop. | Con. | Iso. | Glo. |
| B | A255 | Anthus campestris | | | r | | | | P | DD | D | | | |
| B | A091 | Aquila chrysaetos | | | p | | | | P | DD | C | C | C | C |
| P | 1474 | Aquilegia bertolonii | | | p | | | | R | DD | A | B | A | A |
| A | 5357 | Bombina pachypus | | | p | | | | P | DD | C | B | C | B |
| M | 1352 | Canis lupus | | | p | | | | P | DD | B | B | B | B |
| I | 1088 | Cerambyx cerdo | | | p | | | | P | DD | D | | | |
| I | 6199 | Euplagia quadripunctaria | | | p | | | | P | DD | D | | | |
| B | A096 | Falco tinnunculus | | | r | | | | P | DD | D | | | |
| B | A280 | Monticola saxatilis | | | r | | | | P | DD | D | | | |
| B | A277 | Oenanthe oenanthe | | | r | | | | P | DD | D | | | |
| B | A345 | Pyrrhonorax graculus | | | p | | | | P | DD | C | B | B | C |
| B | A346 | Pyrrhonorax pyrrhonorax | | | p | | | | P | DD | C | B | B | C |
| M | 1304 | Rhinolophus ferrumequinum | | | p | | | | P | DD | C | B | C | B |
| M | 1303 | Rhinolophus hipposideros | | | p | | | | R | DD | C | B | C | B |
| A | 1175 | Salamandrina terdigitata | | | p | | | | P | DD | D | | | |
| F | 5331 | Telestes muticellus | | | p | 350 | 500 | i | | G | A | B | C | B |
| P | 6985 | Vandenboschia speciosa | | | p | | | | V | DD | A | B | A | B |

- **Group:** A = Amphibians, B = Birds, F = Fish, I = Invertebrates, M = Mammals, P = Plants, R = Reptiles
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Type:** p = permanent, r = reproducing, c = concentration, w = wintering (for plant and non-migratory species use permanent)
- **Unit:** i = individuals, p = pairs or other units according to the Standard list of population units and codes in accordance with Article 12 and 17 reporting (see [reference portal](#))
- **Abundance categories (Cat.):** C = common, R = rare, V = very rare, P = present - to fill if data are deficient (DD) or in addition to population size information
- **Data quality:** G = 'Good' (e.g. based on surveys); M = 'Moderate' (e.g. based on partial data with some extrapolation); P = 'Poor' (e.g. rough estimation); VP = 'Very poor' (use this category only, if not even a rough estimation of the population size can be made, in this case the fields for population size can remain empty, but the field "Abundance categories" has to be filled in)

3.3 Other important species of flora and fauna (optional)

| Species | | | | | Population in the site | | | | Motivation | | | | | |
|---------|------|---|---|----|------------------------|-----|------|---------|---------------|---|------------------|---|---|---|
| Group | CODE | Scientific Name | S | NP | Size | | Unit | Cat. | Species Annex | | Other categories | | | |
| | | | | | Min | Max | | C R V P | IV | V | A | B | C | D |
| P | | Alyssum montanum | | | | | | R | | | | | | X |
| I | | Arion franciscoi | | | | | | R | | | | | | X |
| P | | Asperula purpurea apuana | | | | | | P | | | | X | | |
| P | | Asplenium billotii | | | | | | R | | | | | | X |
| P | | Astrantia pauciflora | | | | | | C | | | | X | | |
| P | | Biscutella apuana | | | | | | R | | | | X | | |
| A | | Bufo bufo | | | | | | C | | | | | X | |
| P | | Buphthalmum salicifolium ssp. flexile | | | | | | C | | | | X | | |
| P | | Campanula spicata | | | | | | P | | | | | | X |

| | | | | | | | | | | | | | | |
|---|------|---|--|--|--|--|--|---|---|--|---|---|---|---|
| P | | Carex macrostachys | | | | | | R | | | | X | | |
| P | | Carum apuanum | | | | | | C | | | | X | | |
| P | | Centaurea ambigua | | | | | | R | | | | X | | |
| P | | Centaurea arachnoidea | | | | | | R | | | | X | | |
| P | | Cerastium apuanum | | | | | | C | | | | X | | |
| I | | Chilostoma cingulatum apuanum | | | | | | C | | | | X | | |
| I | | Chrysolina osellai | | | | | | P | | | | X | | |
| I | | Cochlodina comensis lucensis | | | | | | P | | | | X | | |
| I | | Cochlodina fimbriata | | | | | | P | | | | | | X |
| I | | Cochlostoma montanum | | | | | | P | | | | X | | |
| P | | Dactylorhiza incarnata | | | | | | R | | | | | X | |
| P | | Draba aizoides | | | | | | V | | | | X | | |
| P | | Dryopteris affinis | | | | | | R | | | | | | X |
| I | | Duvalius apuanus | | | | | | R | | | | X | | |
| I | | Duvalius casellii briani | | | | | | P | | | | X | | |
| I | | Duvalius doriai | | | | | | R | | | | X | | |
| I | | Erebia epiphron | | | | | | R | | | | | | X |
| I | | Erebia montana | | | | | | R | | | | | | X |
| P | | Festuca apuanica | | | | | | V | | | | X | | |
| P | | Festuca puccinellii | | | | | | P | | | | X | | |
| P | | Galium paleoitalicum | | | | | | R | | | | X | | |
| P | | Galium purpureum var. apuanum | | | | | | R | | | | X | | |
| I | | Gittembergia sororcula | | | | | | R | | | | | | X |
| P | | Globularia incanescens | | | | | | C | | | | X | | |
| P | | Helictotrichon versicolor ssp. praetutianum | | | | | | V | | | | X | | |
| P | | HIERACIUM PORRIFOLIUM L. | | | | | | V | | | | X | | |
| P | | HYDROCOTYLE VULGARIS L. | | | | | | V | | | | | | X |
| P | | HYMENOPHYLLUM TUNBRIGENSE (L.) SM. | | | | | | V | | | X | | | |
| P | | JUNIPERUS PHOENICEA L. | | | | | | V | | | | | | X |
| P | | Leontodon anomalus | | | | | | C | | | | X | | |
| P | | MOLTKIA SUFFRUTICOSA (L.) BRAND | | | | | | R | | | X | | | |
| I | | Nebria apuana | | | | | | R | | | | X | | |
| P | | Osmunda regalis | | | | | | R | | | | | | X |
| I | 1057 | Parnassius apollo | | | | | | R | X | | | | | |
| R | 1256 | Podarcis muralis | | | | | | C | X | | | | | |
| P | | Polygala carueliana | | | | | | R | | | | X | | |
| P | | Pteris cretica | | | | | | V | | | | | X | |
| A | 1206 | Rana italica | | | | | | P | X | | | | | |

| | | | | | | | | | | | | | | |
|---|------|---|--|--|--|--|--|---|---|---|---|---|--|---|
| A | 1206 | Rana italica | | | | | | C | X | | | | | |
| P | | Rhamnus glaucophylla | | | | | | R | | | X | | | |
| P | | Rhinanthus apuanus | | | | | | C | | | | X | | |
| P | | SALIX CRATAEGIFOLIA BERTOL. | | | | | | R | | | | X | | |
| P | | SANTOLINA PINNATA VIV. | | | | | | C | | | | X | | |
| P | | SAXIFRAGA AIZOIDES L. | | | | | | R | | | | X | | |
| P | | SAXIFRAGA GRANULATA L. | | | | | | R | | | | | | X |
| P | | Saxifraga latina | | | | | | R | | | | X | | |
| P | | SAXIFRAGA LINGULATA BELLARDI | | | | | | C | | | | X | | |
| P | | Sedum monregalense | | | | | | R | | | | X | | |
| P | | SELAGINELLA DENTICULATA (L.) LINK | | | | | | C | | | | | | X |
| P | | Senecio nemorensis var. apuanus | | | | | | R | | | | X | | |
| P | | SILENE LANUGINOSA BERTOL. | | | | | | R | | | | X | | |
| P | | Silene vallesia ssp. graminea | | | | | | R | | | | | | X |
| P | | Sphagnum compactum | | | | | | V | | X | | | | |
| I | | Stomis roccai mancinii | | | | | | P | | | | X | | |
| P | | Taxus baccata | | | | | | R | | | | | | X |
| P | | THELYPTERIS LIMBOSPERMA (ALL.) H. P.FUCHS | | | | | | R | | | | | | X |
| P | | THESIUM SOMMIERI HENDRYCH | | | | | | R | | | | X | | |
| I | | Timarcha apuana | | | | | | R | | | | X | | |
| A | | Triturus alpestris | | | | | | C | | | X | | | |
| P | | Verbascum alpinum | | | | | | R | | | | | | X |
| I | | Vitrinobrachium baccettii | | | | | | R | | | | | | X |

- **Group:** A = Amphibians, B = Birds, F = Fish, Fu = Fungi, I = Invertebrates, L = Lichens, M = Mammals, P = Plants, R = Reptiles
- **CODE:** for Birds, Annex IV and V species the code as provided in the reference portal should be used in addition to the scientific name
- **S:** in case that the data on species are sensitive and therefore have to be blocked for any public access enter: yes
- **NP:** in case that a species is no longer present in the site enter: x (optional)
- **Unit:** i = individuals, p = pairs or other units according to the standard list of population units and codes in accordance with Article 12 and 17 reporting, (see [reference portal](#))
- **Cat.:** Abundance categories: C = common, R = rare, V = very rare, P = present
- **Motivation categories:** IV, V: Annex Species (Habitats Directive), A: National Red List data; B: Endemics; C: International Conventions; D: other reasons

4. SITE DESCRIPTION

4.1 General site character

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| Habitat class | % Cover |
|---------------|---------|
| N09 | 5.0 |
| N12 | 5.0 |
| N22 | 30.0 |

| | |
|----------------------------|------------|
| N07 | 2.0 |
| N08 | 10.0 |
| N19 | 1.0 |
| N23 | 3.0 |
| N20 | 1.0 |
| N06 | 1.0 |
| N16 | 40.0 |
| N10 | 2.0 |
| Total Habitat Cover | 100 |

Other Site Characteristics

Area di elevato pregio paesaggistico con la caratteristica parete marmorea del Monte Altissimo.

4.2 Quality and importance

Il biotopo presenta un contingente floristico di grande interesse fitogeografico con una elevata presenza di specie endemiche e di specie rare fra cui le stazioni relitte di *Hymenophyllum tunbridgense* e di *Trichomanes speciosum*. Presenza, fra gli Anfibi, della specie *Bombina pachypus*, specie endemica dell'Italia peninsulare. Presenza inoltre, di invertebrati endemici e di alcune specie di Lepidotteri, oltre alla *Callimorpha quadripunctaria* (nec *quadripunctata*!), estremamente localizzati e minacciati di estinzione (*Parnassius apollo*).

4.3 Threats, pressures and activities with impacts on the site

The most important impacts and activities with high effect on the site

| Negative Impacts | | | |
|------------------|---------------------------------|-----------------------------------|---------------------------|
| Rank | Threats and pressures [code] | Pollution (optional) [code] | inside/outside [i o b] |
| M | J01 | | o |
| M | C01 | | o |
| H | J01 | | i |
| M | E01 | | o |
| L | E01.03 | | o |
| H | C01 | | i |
| L | H06.01 | | b |
| L | G01.02 | | i |
| H | H01 | | b |
| M | D02.01 | | b |
| M | B01.02 | | b |
| M | D01.01 | | i |
| H | E03.03 | | i |
| M | D01.02 | | o |
| L | K01.01 | | i |
| M | E03.03 | | o |
| L | A04.03 | | o |
| M | A04.03 | | i |

| Positive Impacts | | | |
|------------------|----------------------------------|-----------------------------------|----------------------------|
| Rank | Activities, management [code] | Pollution (optional) [code] | inside /outside [i o b] |
| | X | | |

Rank: H = high, M = medium, L = low

Pollution: N = Nitrogen input, P = Phosphor/Phosphate input, A = Acid input/acidification,

T = toxic inorganic chemicals, O = toxic organic chemicals, X = Mixed pollutions

i = inside, o = outside, b = both

4.4 Ownership (optional)

| Type | [%] | |
|-----------------------|------------------|---|
| Public | National/Federal | 0 |
| | State/Province | 0 |
| | Local/Municipal | 0 |
| | Any Public | 0 |
| Joint or Co-Ownership | 0 | |
| Private | 100 | |
| Unknown | 0 | |

4.5 Documentation

Archivio RENATO - Repertorio Naturalistico Toscano - Regione Toscana Ferrarini E., Marchetti D. - Prodrómo alla flora della regione apuana. Parte prima (Lycopodiaceae - Leguminosae)., 1994, Acc. Lun. Sc. G. Capellini. Studi e documenti sulla Lunigiana XIII. La spezia. Comunicazione Leonardo Lombardi. Piante Vascolari: Barbero M. Bono G. 1973 La vegetation orophile des Alpes Apuanes Vegetatio 27(1-3): 1-48. Del Prete C. Tomaselli M. 1978 Il paesaggio veg. della conca del L. Torbido e del L. Turchino al M. Rondinaio (App. LU-MO). Il contributo. Note miscellanee su alcune piante rare o di interesse fitogeog. Atti Soc. Tosc. Sci. Nat. Mem., ser. B, 85: 181-206. Erbario dell'Università degli Studi di Siena. Ferrarini E. 1966 Studi sulla vegetazione di altitudine delle Alpi Apuane Webbia 21(2): 521-600. Ferrarini E. 1970 Escursione al Passo del Vestito al Passo degli Uncini e al M. Altissimo. In: Escursione sociale in Versilia e sulle Alpi Apuane 16-19 giugno 1969 Inform. Bot. Ital. 1: 126-127 (1969). Ferrarini E. 1977 Un antico relitto atlantico ai piedi delle Alpi Apuane: *Trichomanes speciosum* Willd. entit nuova per la flora italiana Giorn. Bot. Ital. 111: 171-177. Ferrarini E. Marchetti D. 1978 Note su *Trichomanes speciosum* Willd., *Thelypteris limbosperma* (All.) H. P. Fuchs, *Dryopteris dilatata* (Hoffm.) A. Gray *Dryopteris assimilis* S. Walker nelle Alpi Apuane Atti Soc. Tosc. Sci. Nat. Mem. ser. B, 85: 21-27. Ferrarini E. Marchetti D. 1978 Un relitto alpino sulle Alpi Apuane Atti Soc. Tosc. Sci. Nat. Mem. ser. B 85: 93-99. Ferrarini E. Pichi Sermolli R.E. G. Bizzarri M.P. Ronchieri I. 1997 Prodrómo alla flora della Regione Apuana. Parte seconda (Oxalidaceae - Campanulaceae) Acc. Lunig. Sci. G. Capellini. La Spezia. Foggi B. Rossi G. 1996 A survey of the genus *Festuca* L. (Poaceae) in Italy. I. The species of the summit flora in the Tuscan-Emilian Apennines and Apuan Alps Willdenowia 26: 183-215. Herbarium Horti Pisani (PI), Pisa. Uccelli: Arcamone E., Barbagli F. 1996 Cronaca ornitologica toscana: 1990-1991 Quaderni del Museo di Storia Naturale di Livorno, 14: 79-109. Comunicazione personale P. Sposimo. Lombardi L., Chiti-batelli A., Galeotti L., Sposimo P. 1998 Le praterie montane delle Alpi Apuane e dell'Appennino Tosco-Emiliano. Vegetazione e avifauna nidificante W.W.F. Toscana, Regione Toscana. Anfibi: Comunicazione personale P. Garavelli. Insetti: Daccordi M., Ruffo S. 1979 Le *Chrysolina* italiane del sottogenere *Threnosoma* Motsch. (Coleoptera Chrysomelidae) Bollettino del Museo civico di Storia naturale, Verona. 6: 305-332. Monzini V., Pesarini C. 1986 Le specie italiane del genere *Stomis* Clairville (Coleoptera Carabidae) Boll. Soc. entomol. ital. 118(4-7): 83-92. Museo di Storia Naturale dell'Università di Firenze, Sezione di Zoologia "La Specola". Vigna Taglianti A. 1982 Le attuali conoscenze sui Coleotteri Carabidi cavernicoli italiani Lav. Soc. ital. Biogeogr. (n. s.) 7[1978]: 339-430. Molluschi: Giusti F., Mazzini M. 1971 I Molluschi delle Alpi Apuane. Elenco delle specie viventi con descrizione di una nuova specie: *Vitrinobanchium baccettii* n. sp. Lavori della Società Italiana di Biogeografia Nuova Serie 1: 202-334.

5. SITE PROTECTION STATUS (optional)

5.1 Designation types at national and regional level:

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| Code | Cover [%] | Code | Cover [%] | Code | Cover [%] |
|------|-----------|------|-----------|------|-----------|
| IT13 | 100.0 | IT04 | 94.0 | | |

5.2 Relation of the described site with other sites:

designated at national or regional level:

| Type code | Site name | Type | Cover [%] |
|-----------|-----------------------------|------|-----------|
| IT13 | Monte Tambura - Monte Sella | / | |
| IT04 | Monte Tambura - Monte Sella | / | |

5.3 Site designation (optional)

6. SITE MANAGEMENT

6.1 Body(ies) responsible for the site management:

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| | |
|---------------|-----------------------------|
| Organisation: | Parco Regionale Alpi Apuane |
| Address: | |
| Email: | |

6.2 Management Plan(s):

An actual management plan does exist:

| | | |
|--------------------------|------------------------|---|
| <input type="checkbox"/> | Yes | Name: Attraverso la legge istitutiva (L.R. 5/85), manca il piano del Parco Link: _____ |
| <input type="checkbox"/> | No, but in preparation | |
| <input type="checkbox"/> | | |

No

6.3 Conservation measures (optional)

Attraverso la legge istitutiva (L.R. 5/85), manca il piano del Parco

7. MAP OF THE SITES

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INSPIRE ID:

Map delivered as PDF in electronic format (optional)

Yes No

Reference(s) to the original map used for the digitalisation of the electronic boundaries (optional).

240NE 1:25.000 UTM